

Fig. 2

material1=air material2=silicon material3=air

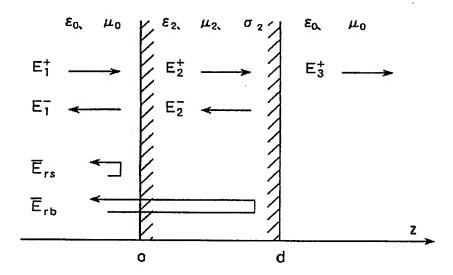


Fig. 3

| | 100 | 200 | 300 | 400 | 500 | 525 | 600 | 700 | 800 |
|------|-------|--------|-------|-------|--------|--------|-------|-------|-------|
| 1000 | 0.994 | 1.000 | 1.000 | 1.000 | 1.000 | -1.000 | 1.000 | 1.000 | 1.000 |
| 700 | 0.988 | :1.001 | 1.000 | 1.000 | 1.000 | 1:000 | 1.000 | 1.000 | 1.000 |
| 600 | 0.985 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 500 | 0.983 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 450 | 0.982 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 400 | 0.982 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 350 | 0.982 | 0.999 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 300 | 0.983 | 0.995 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 250 | 0.985 | 0.989 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 200 | 0.990 | 0.977 | 1.005 | 1.001 | 1:000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 150 | 0.996 | 0.957 | 1.005 | 1.004 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 |
| 100 | 1.000 | 0.918 | 0.993 | 1.016 | -1.000 | 0.998 | 0.997 | 1.000 | 1.000 |
| 70 | 0.992 | 0.878 | 0.962 | 1.039 | 1.009 | 1.001 | 0.990 | 0.996 | 1.001 |
| 50 | 0.971 | 0.836 | 0.916 | 1.072 | 1.033 | 1.014 | 0.978 | 0.982 | 1.002 |
| 30 | 0.923 | 0.776 | 0.838 | 1.137 | 1.118 | 1.062 | 0.950 | 0.930 | 0.997 |
| 20 | 0.884 | 0.738 | 0.787 | 1.177 | 1.229 | 1.113 | 0.915 | 0.870 | 0.976 |
| 15 | 0.860 | 0.717 | 0.758 | 1.189 | 1.322 | 1.142 | 0.884 | 0.826 | 0.950 |
| 10 | 0.834 | 0.695 | 0.730 | 1.178 | 1.442 | 1.156 | 0.837 | 0.773 | 0.903 |
| 5 | 0.805 | 0.673 | 0.700 | 1.127 | 1.535 | 1.116 | 0.773 | 0.712 | 0.827 |
| 3 | 0.793 | 0.664 | 0.689 | 1.092 | 1.523 | 1.073 | 0.742 | 0.687 | 0.788 |
| 1 | 0.780 | 0.656 | 0.677 | 1.047 | 1.456 | 1.012 | 0.709 | 0.661 | 0.745 |

Fig. 4

